Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/29/2022 08:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124198	-1	2.21	124073	2.20
Blue	F	SSC	125000	124724	-1	3.93	125312	3.87
Blue	E	FITC	15860	15185	-5	2.72	369	14.37
Blue	D	PE	27718	27389	-2	2.13	636	10.35
Blue	B	PerCP-Cy5-5	38046	37382	-2	3.35	1022	14.97
Blue	A	PE-Cy7	26092	26010	-1	5.17	513	30.65
Red	C	APC	49104	48198	-2	2.63	1696	11.45
Red	A	APC-Cy7	28201	27265	-4	3.01	726	12.27
Violet	B	V450	9904	9516	-4	3.92	531	11.81
Violet	A	V500	39004	37623	-4	3.50	984	9.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23757	2.51	566	-3	N/A	N/A	Pass
Blue	F	SSC	55713	2.44	523	-5	N/A	N/A	Pass
Blue	E	FITC	57	55.60	492	1	0.0410	57	Pass
Blue	D	PE	124	37.49	499	3	0.4127	287	Pass
Blue	B	PerCP-Cy5-5	139	44.33	591	2	0.0196	53	Pass
Blue	A	PE-Cy7	64	92.25	634	2	0.0214	0	Pass
Red	C	APC	328	26.07	579	-2	0.0272	108	Pass
Red	A	APC-Cy7	97	42.10	551	-4	0.0062	1081	Pass
Violet	B	V450	85	50.06	459	1	0.0550	2147	Pass
Violet	A	V500	124	34.42	470	1	0.0247	1558	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.03	-31.99	1.11
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	16.30	13.90 - 20.86	N/A	N/A	30.35	30.56	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 13616

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments